

## Claims

1. Pipe construction kit for a sewer pipeline (1),
  - with several pipes (2), made of plastic, having a circular cross-section,
  - with, in each case, a shaft base body (5) to be arranged between two pipes (2) and to be connected with said pipes (2) by means of sockets (6),
  - with, in each case, a shaft (9), which has a circular cross-section, to be connected with the shaft base body (5),
  - whereby the shaft base body (5) exhibits a central connection section (12) and, on both sides on said connection section (12), pipe sections (13) with a circular cross-section for connection with the pipes (2), and
  - whereby the connection section (12) exhibits a supporting surface (17) and, diametrically opposite said supporting surface (17), a connection element (18) for the shaft (9).
2. Pipe construction kit according to claim 1, **characterised in that** the diameter (D) of the shaft base body (5) is larger than the diameter (d) of the shaft (9).
3. Pipe construction kit according to claim 2, **characterised in that** for the diameter (d) of the shaft (9) the following applies with respect to the diameter (D) of the shaft base body (5):  $0.1 D \leq d \leq 0.8 D$ .
4. Pipe construction kit according to claim 1, **characterised in that** the supporting surface (17) is formed on a foot (16) of the connection section (12).

5. Pipe construction kit according to one of claims 1 to 4, characterised in that the connection section (12) exhibits approximately a horseshoe cross-section.

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6. Pipe construction kit according to one of claims 1 to 5, characterised in that laterally between the supporting surface (17) and the connection element (18) for the shaft (9) there is formed at least one connection element (21, 22) for a sewage connection pipe (25).

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7. Pipe construction kit according to claim 6, characterised in that for the diameter (b) of the at least one connection element (21, 22) for a sewage connection pipe (25) the following applies with respect to the diameter (D) of the shaft base body (5):

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$$0.05 D \leq b \leq 0.4 D.$$

8. Pipe construction kit according to one of claims 1 to 7, characterised in that the connection element for the shaft (9) is designed as a shaft connection surface (18).

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9. Pipe construction kit according to claim 6 or 7, characterised in that the at least one connection element for the sewage connection pipe (25) is designed as a feed connection surface (21, 22).

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10. Pipe construction kit according to one of claims 1 to 9, characterised in that the shaft base body (5) is designed as a composite pipe with a corrugated outer pipe section (14, 14').

11. Pipe construction kit according to one of claims 1 to 10, characterised in that the shaft (9) is designed as a composite pipe with external corrugations.
- 5    12. Method for manufacturing a shaft base body (5) according to one of claims 1 to 11, characterised in that the shaft base body (5) is manufactured inline.